

ABSTRACT

Methods for treating diabetes by administering an inhibitor of GDF-8, or a
5 related member of Transforming Growth Factor-beta (TGF- β) superfamily of
structurally-related growth factors (e.g., GDF-11) are disclosed. Also disclosed are
methods for upregulating expression of hexose transporters, such as GLUT4 and
GLUT1, in a subject by administering an inhibitor of GDF-8. Also disclosed are
methods for increasing glucose uptake by cells in a subject, by administering an
10 inhibitor of GDF-8.